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European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,  
SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA,  
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**Published:**

— *with international search report*

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/AU2003/001684

## A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. 7: G08B 17/10, H02H 1/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
USPTO and WPAT, using keywords and classmarks. Keywords include smoke, fire, carbon monoxide, alarm, detector, stand-by, spare, fall-back, batter, lockout, interlock, mains, power, chang+, replac+, remov+ and instal+.

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
| A         | AU 52088/98 A (Bessell) 23 July 1998   |                       |
| A         | GB 2221331 A (Kingston) 31 January 1990  |                       |
| A         | GB 2371666 A (Turner) 31 July 2002   |                       |

☐ Further documents are listed in the continuation of Box C ☒ See patent family annex

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| * Special categories of cited documents:  |  |
| "A" document defining the general state of the art which is not considered to be of particular relevance  | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  |
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| "O" document referring to an oral disclosure, use, exhibition or other means  | "&" document member of the same patent family  |
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Date of the actual completion of the international search  
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27 JAN 2004

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

| Patent Document Cited in<br>Search Report |          | Patent Family Member |          |
|---|----------|----------------------|----------|
| AU  | 52088/98 |                      |          |
| GB  | 2221331  | AU                   | 40595/89 |
|   |          | WO                   | 9001201  |
| GB  | 2371666  |                      |          |
| END OF ANNEX                              |          |                      |          |